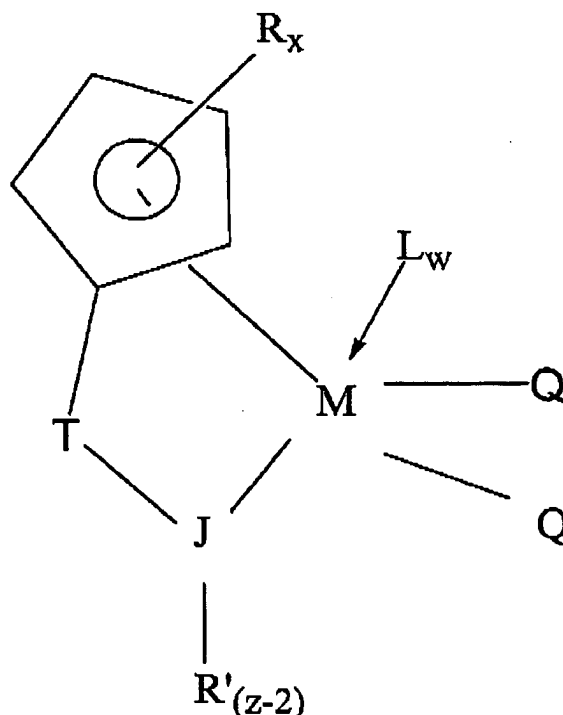


LISTING OF THE CLAIMS:

1.-26. (CANCELED)

27. (previously presented) A compound represented by the formula:



wherein M is Hf or Zr in its highest formal oxidation state;

(C₅H_{4-x}R_x) is a cyclopentadienyl ring which is symmetrically substituted with two or four substituent groups R, with "x" denoting the degree of substitution (x = 2 or 4) and each R is, independently, a radical selected from a group consisting of C₁-C₂₀ hydrocarbyl radicals, substituted C₁-C₂₀ hydrocarbyl radicals wherein one or more hydrogen atoms is replaced by a halogen radical, an amido radical, a phosphido radical, an alkoxy radical or any other radical containing a Lewis acidic or basic functionality,

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C₁-C₂₀ hydrocarbyl-substituted metalloid radicals wherein the metalloid is selected from the Group IV A of the Periodic Table of Elements, and halogen radicals, amido radicals, phosphido radicals, alkoxy radicals, alkylborido radicals and radicals containing Lewis acidic or basic functionality, or at least two adjacent R-groups are joined forming C₄-C₂₀ ring to give a saturated or unsaturated polycyclic cyclopentadienyl ligand;

(JR'_{z-2}) is a heteroatom ligand in which J is an element with a coordination number of three from Group V A or an element with a coordination number of two from Group VI A of the Periodic Table of Elements, and each R' is, independently a radical selected from a group consisting of C₁-C₂₀ hydrocarbyl radicals, substituted C₁-C₂₀ hydrocarbyl radicals where one or more hydrogen atom is replaced by a halogen radical, an amido radical, a phosphido radical, and alkoxy radical and any other radicals containing a Lewis acidic or basic functionality, and "z" is the coordination number of the element J;

each Q is, independently, any univalent anionic ligand, such as a halide, hydride, or a substituted or unsubstituted C₁-C₂₀ hydrocarbyl, alkoxide, aryloxide, amide, arylamide, phosphide or arylphosphide, or both Q together are an alkylidene, or a cyclometallated hydrocarbyl or any divalent anionic chelating ligand;

T is a covalent bridging group containing a Group IV A or V A element;
and

L is a neutral Lewis base where "w" denotes a number from 0 to 3.

28. (previously presented) The composition of claim 27 where T is Si(R¹)(R²), and wherein R¹ and R² are, independently, a C₁ to C₂₀ hydrocarbyl radicals, substituted C₁ to C₂₀ hydrocarbyl radicals wherein one or more hydrogen atom is replaced by a halogen atom; R¹ and R² may also be joined forming a C₃ to C₂₀ ring.
29. (previously presented) The compound of claim 27 wherein J is nitrogen.
30. (previously presented) The compound of claim 27 wherein R is a C₁ to C₂₀ hydrocarbyl radical and R' is a C₁ to C₂₀ cyclohydrocarbyl radical or an aromatic radical.

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31. (previously presented) The compound of claim 27 wherein R' is an alkyl radical or cyclic radical.
32. (previously presented) The compound of claim 27 wherein J-R'_(z-2) is cyclododecylamido.

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Respectfully submitted,

8/22/05
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